Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/21/2022 08:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124746	-1	1.61	124678	1.58
Blue	F	SSC	125000	124485	-1	3.18	125087	3.09
Blue	E	FITC	15860	15377	-4	2.31	375	13.69
Blue	D	PE	27718	27372	-2	1.78	637	10.40
Blue	B	PerCP-Cy5-5	38046	37416	-2	3.00	1024	14.83
Blue	A	PE-Cy7	26092	25750	-2	4.89	505	30.08
Red	C	APC	49104	48313	-2	2.68	1704	11.19
Red	A	APC-Cy7	28201	27564	-3	3.00	726	12.40
Violet	B	V450	9904	9433	-5	3.82	524	12.43
Violet	A	V500	39004	37261	-5	3.40	973	9.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23804	2.04	562	-7	N/A	N/A	Pass
Blue	F	SSC	55764	1.75	520	-8	N/A	N/A	Pass
Blue	E	FITC	59	54.24	489	-2	0.0472	105	Pass
Blue	D	PE	125	37.49	495	-1	0.3925	275	Pass
Blue	B	PerCP-Cy5-5	139	44.33	587	-2	0.0199	63	Pass
Blue	A	PE-Cy7	63	94.35	629	-3	0.0226	5	Pass
Red	C	APC	329	26.26	578	-3	0.0294	185	Pass
Red	A	APC-Cy7	98	42.10	551	-4	0.0061	1049	Pass
Violet	B	V450	84	53.91	461	3	0.0495	2321	Pass
Violet	A	V500	122	38.73	472	3	0.0221	1970	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.92	-31.50	1.10
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.10	13.90 - 20.86	N/A	N/A	29.85	30.14	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12160

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments